



CITY OF BAINBRIDGE ISLAND  
ENVIRONMENTAL TECHNICAL ADVISORY COMMITTEE (ETAC)

**Special Meeting**

Wednesday, March 23, 2016  
3:00 PM – 5:00 PM

Council Conference Room  
280 Madison Ave N., Bainbridge Island, Washington

**MINUTES**

1. **Call to Order** – Chair called to order 3:04 PM; members Gremse, Kratzer and Shearer, and council Liaison present
2. **Acceptance or Modification of Agenda** – no modifications made
3. **Discussion of the Aspect Task 1,2 and 3 Reports** –

Given that approximately 1/3 of BI water is extracted from two deep aquifers (as shown in the following table):

**Figure 3: Current and Projected On-Island Groundwater Withdrawal Rates by Aquifer**  
(Task 3 memo)

	Mgy	Mgy	
Perched Aquifer	160	240	Sea level – 300 ft MSL
Semi-Perched Aquifer	7	10	Sea level – 200 ft MSL
Sea Level Aquifer	387	581	-200 ft - 200 ft MSL
Glaciomarine Aquifer	16	24	-500 ft - -300 ft MSL
Fletcher Bay Aquifer	264	396	-900 ft - 600 ft MSL

- 1) What is the rationale for the use of a single recharge rate for all aquifers?
- 2) Can you estimate a confidence level for these recharge rate(s)?
- 3) As shown in the following table the projected water level decreases over the coming 100 years are at an level which is below the EWL. These estimates are made based on some assumptions about population growth and water conservation.
  - A) Do these estimates represent a realistic “worst case” scenario?
  - B) If not could one be developed within the existing scope of your contract? (i.e eliminate water conservation)

Aquifer	Water Level Decrease
Perched Aquifer	0.10 foot per year
Semi-Perched Aquifer	0.13 foot per year
Sea Level Aquifer	0.09 foot per year
Glaciomarine Aquifer	0.02 foot per year
Fletcher Bay Aquifer	0.15 foot per year

4) What are your confidence levels for these water level decrease estimates?

4. **Discussion of the Draft Water Resources Element** – Discussion of the potential of providing a letter to the Planning commission. Letter was not considered to be ready because we are waiting for input from USGS.
5. **Comments from the Public** – None
6. **Liaison Report Out** – Councilmember Roth
7. **Miscellaneous Items** – None
8. **Adjournment** – Chair adjourned meeting at 4:47 PM



Fred Gremse, Chair 5/9/16